

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/08/2016 10:30 AM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124599	-1	1.12	124423	1.08
Blue	F	SSC	125000	124365	-1	2.76	125263	2.46
Blue	E	FITC	17224	16781	-3	2.36	949	8.24
Blue	D	PE	22462	21912	-3	1.92	989	7.71
Blue	B	PerCP-Cy5-5	63940	62569	-3	2.62	1651	12.70
Blue	A	PE-Cy7	72480	71100	-2	3.67	939	24.25
Red	C	APC	63778	63209	-1	2.45	3566	7.91
Red	A	APC-Cy7	97254	97261	0	2.48	1929	7.53
Violet	B	V450	10730	10371	-4	3.18	642	7.54
Violet	A	V500	42147	40680	-4	2.68	2298	5.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20166	1.77	583	-37	N/A	N/A	Pass
Blue	F	SSC	62297	1.62	508	-19	N/A	N/A	Pass
Blue	E	FITC	104	32.95	514	-25	0.0296	119	Pass
Blue	D	PE	205	24.09	508	-24	0.1949	173	Pass
Blue	B	PerCP-Cy5-5	203	37.53	591	-23	0.0119	0	Pass
Blue	A	PE-Cy7	72	92.66	647	-26	0.0154	5	Pass
Red	C	APC	333	25.81	576	-8	0.0223	22	Pass
Red	A	APC-Cy7	121	37.41	559	-6	0.0053	1033	Pass
Violet	B	V450	68	40.59	447	-27	0.0561	2106	Pass
Violet	A	V500	150	20.14	476	-27	0.0161	26	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/08/2016 10:30 AM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-30.91	-30.65	0.82
Blue	20.46	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.29
Red	15.19	13.09 - 19.63	N/A	N/A	31.28	31.54	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10246

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments